

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1050340

Luminaire Tested: PTR-14-80-PP3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PP3-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

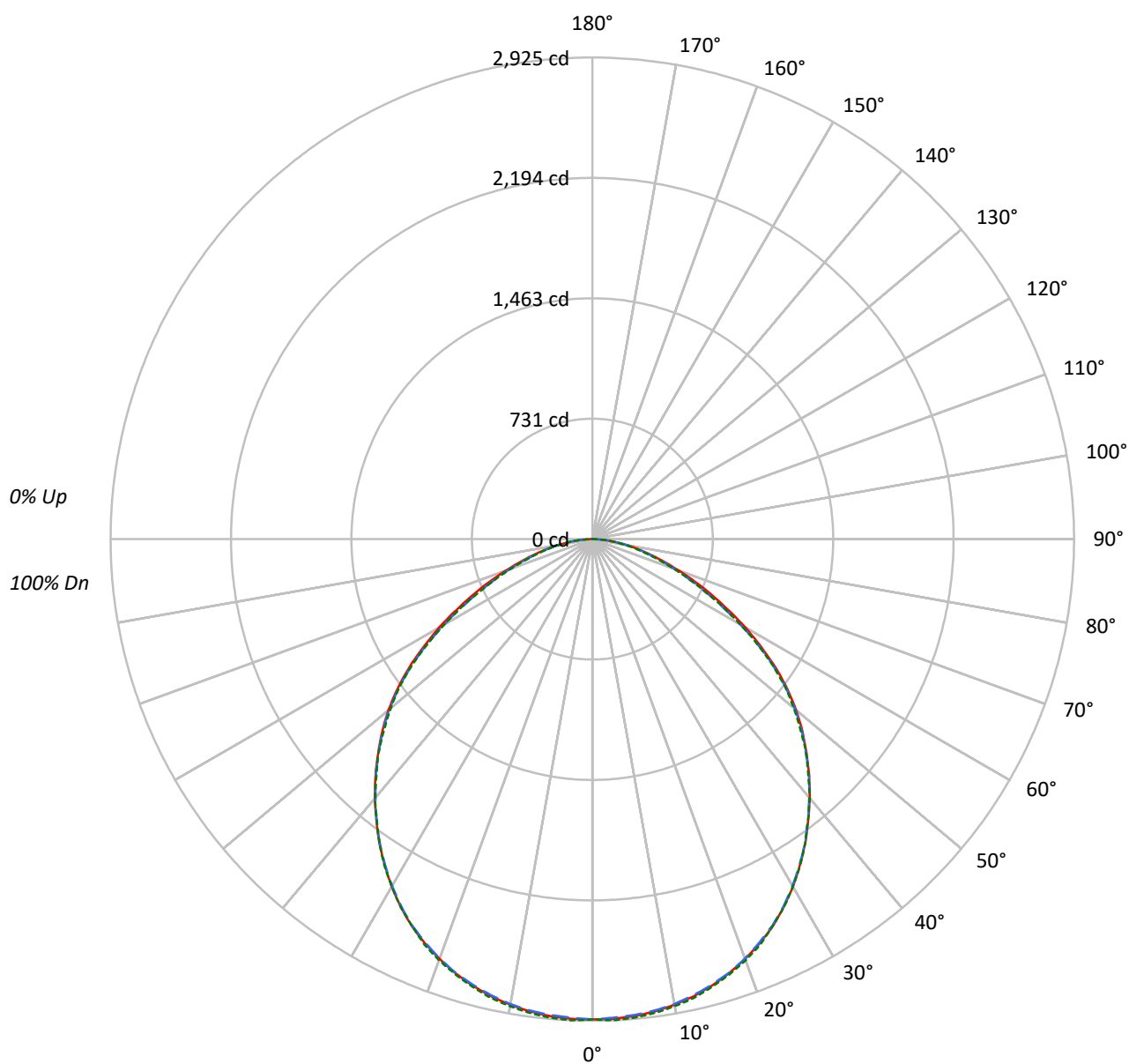
Lumens per Lamp: N/A
Luminaire Lumens: 7536.0 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7849	7849	7849
5°	7856	7838	7881
10°	7845	7833	7871
15°	7819	7804	7840
20°	7767	7761	7794
25°	7698	7686	7695
30°	7569	7553	7569
35°	7404	7394	7400
40°	7215	7192	7211
45°	6998	6977	6986
50°	6764	6732	6683
55°	6367	6293	6274
60°	5779	5584	5594
65°	5075	4821	4813
70°	4389	4189	4140
75°	3796	3656	3576
80°	3363	3315	3166
85°	2779	2875	2708

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 7023 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.6	3.7
10°-20°	792.4	10.5
20°-30°	1193.0	15.8
30°-40°	1408.1	18.7
40°-50°	1416.1	18.8
50°-60°	1195.5	15.9
60°-70°	767.8	10.2
70°-80°	381.9	5.1
80°-90°	104.6	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2262.0	30.0
0°-40°	3670.1	48.7
0°-60°	6281.7	83.4
0°-90°	7536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7536.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2917	2917	2917	2917	2917	
5°	2908	2909	2902	2916	2918	276
15°	2807	2807	2801	2814	2814	792
25°	2593	2594	2588	2594	2592	1193
35°	2254	2255	2251	2253	2253	1409
45°	1839	1845	1833	1836	1836	1419
55°	1357	1356	1341	1336	1337	1207
65°	797	786	757	749	756	795
75°	365	363	352	348	344	395
85°	90	93	93	88	88	106
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2916.7	2916.7	2916.7	2916.7	2916.7
2.5°	2915.5	2916.7	2909.0	2922.8	2925.1
5°	2908.2	2909.0	2901.7	2915.5	2917.5
7.5°	2893.2	2894.4	2887.8	2900.5	2902.8
10°	2870.9	2874.4	2866.7	2878.6	2880.5
12.5°	2843.6	2844.7	2837.1	2850.9	2853.2
15°	2806.7	2807.4	2801.3	2814.0	2814.0
17.5°	2764.0	2765.1	2760.9	2771.7	2770.5
20°	2712.4	2715.5	2710.1	2717.4	2721.7
22.5°	2656.3	2657.4	2650.9	2660.5	2664.7
25°	2592.8	2593.5	2588.5	2593.5	2591.6
27.5°	2518.5	2520.5	2513.2	2518.5	2519.7
30°	2435.8	2441.2	2430.8	2435.1	2435.8
32.5°	2347.0	2350.0	2342.7	2343.9	2349.3
35°	2253.9	2255.0	2250.8	2252.7	2252.7
37.5°	2153.5	2157.7	2151.2	2154.2	2150.0
40°	2053.8	2049.6	2047.3	2049.6	2052.7
42.5°	1948.8	1950.0	1946.9	1944.6	1939.6
45°	1838.8	1845.3	1833.4	1835.7	1835.7
47.5°	1731.1	1731.9	1725.7	1719.2	1714.9
50°	1615.7	1615.7	1608.0	1603.0	1596.4
52.5°	1489.5	1487.6	1479.1	1473.7	1476.8
55°	1357.2	1356.0	1341.4	1336.0	1337.2
57.5°	1212.1	1214.5	1192.1	1186.8	1186.8
60°	1073.7	1062.9	1037.5	1030.2	1039.4
62.5°	928.2	915.6	888.2	888.2	895.5
65°	797.1	785.5	757.1	749.4	755.9
67.5°	674.4	663.6	637.4	633.2	635.1
70°	557.8	548.6	532.4	522.8	526.2
72.5°	457.4	448.9	438.2	430.8	426.6
75°	365.1	363.1	351.6	348.1	343.9
77.5°	288.9	288.1	278.5	274.3	270.0
80°	217.0	215.8	213.9	207.3	204.3
82.5°	154.6	154.6	153.5	148.1	145.0
85°	90.0	93.1	93.1	87.7	87.7
87.5°	36.2	38.1	36.2	36.2	35.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)